

Environmental Improvement and Energy Resources Authority

[State Revolving Fund](#)[Energy Efficiency Loans Program](#)[Private Activity Bonds](#)[Market Development](#)[Missouri Brownfields Revolving Loan Fund](#)

Missouri Market Development Program: FY04 Financial Assistance Projects



Southland Flooring Supplies (Springfield)
Southland Flooring Supplies (Springfield), was awarded \$50,000 to purchase equipment costing \$68,482 that would enable the business to recover waste urethane carpet pad and process it before returning it to the manufacturer to be made back into carpet pad. The company intends to work with other flooring supply businesses to establish a system in which installers bring old pad in for a store credit to help pay for installation supplies. Southland Flooring has been in the flooring business since 1968 and anticipates diverting 200 tons annually and creating one or two new jobs with this project.



Flick Seed Company (Kingsville)
Flick Seed Company (Kingsville) was awarded \$50,000 to purchase equipment costing \$112,600 needed to pelletize waste seed hulls generated from seed processing and waste office paper. The resulting pellets would be used as a supplement fuel in a coal-fired utilities plant. Flick Seeds intends to use its own seed hull waste along with that of other Missouri seed processors in combination with office paper to make the fuel pellets. Flick Seed Company anticipates diverting 10,000 tons from the waste stream annually and creating five new full time jobs with this project.



Encore Building Solutions (St. Louis)
Encore Building Solutions, Inc. (St. Louis) was awarded \$50,000 to purchase equipment needed to manufacture a new building component called "Earthblock." This building component is composed of demolition debris, fly ash and a proprietary binding agent that helps the blocks harden and cure. Earthblocks are an environmentally friendly alternative to concrete blocks that offer some superior economic and functionality attributes; they are lighter in weight, have a better insulation capacity, are easy to install and can be painted, nailed or screwed. Encore Building Solutions projects it will divert 93,000 tons of waste annually and create 19 new full time jobs with this project.

BFC Composting (Perryville)

BFC Composting (Perryville) was awarded \$50,000 to purchase a loader and shaker screen costing \$78,026 to implement a new composting operation. BFC Composting intends to compost animal processing waste from livestock and wild game processors along with sawdust and yard waste to make an organic potting soil. The company intends to collect animal offal and bones from southeast Missouri meat processors and employ a composting method that destroys pathogens and is relatively odor free. The BFC Composting proprietor has been in the fur business for about ten years, collecting



and distributing finished fur from several states. BFC Composting projects that they will divert 550 tons from the waste stream annually and create 2 new full time jobs with this project.



Horner Charcoal Company (Taneyville)

Horner Charcoal Company, Inc. (Taneyville) was awarded \$50,000 to purchase equipment needed to expand its charcoal manufacturing business. The total cost of the necessary equipment is \$405,000 and includes the installation of two efficient afterburners to conform to EPA regulations and rebuilding up to twelve charcoal kilns. Horner Charcoal Company has been in business for 34 years, using wood waste from area sawmills, flooring companies and rake teeth companies to manufacture lump charcoal and fines which are used to make charcoal briquettes. Upgrading the kilns will enable the company to produce a higher quantity of a premium lump charcoal product. Horner Charcoal anticipates diverting 50,000 tons of waste annually and creating ten new full time jobs with this project.



Windswept Worm Farms, LLC (Blue Springs)

Windswept Worm Farm, L.L.C (Blue Springs) was awarded \$50,000 to purchase equipment costing \$83,077 to expand its vermiculture operation. Windswept Worm Farm uses nursery debris, animal manure, food waste and paper waste to grow worms and produces castings for use as a premium soil amendment and in compost tea. Windswept Worm Farm has been in operation for less than one year, utilizing bird manure from the business owners' quail raising business. By expanding its operation, Windswept Worm Farm projects that it can eventually divert over 5,000 tons from the waste stream annually and will create 3 new full time jobs.



Missouri Recycling Economic Information Study (Statewide)

Missouri Recycling Economic Information Study. The purpose of the study is to determine how the recycling and reuse industry in Missouri contributes to the state's economy. This information will be helpful in evaluating the current recycling infrastructure and identifying areas that need improvement. The project will evaluate and analyze the economic impact of the waste reduction, reuse and recycling industry in Missouri. The study will be conducted by the University of Missouri's Truman School of Public Affairs and Community Policy Analysis Center to conduct this study at a cost of \$38,108.66.



Missouri Botanical Gardens (St. Louis)

Missouri Botanical Gardens (St. Louis) was awarded \$21,000 to purchase a grinder to divert horticultural plastic. While Missouri Botanical Gardens has been collecting this plastic since 1998, in 2003, technology was developed locally to process mixed plastic from gardening pots and trays into 2" x 6" lumber. A grinder will enable the Missouri Botanical Gardens to process the plastic into suitable feedstock for the manufacture of the lumber. The locally manufactured lumber will be sold as straight lumber and as raised garden kits by the Botanical Gardens. Missouri Botanical Gardens anticipates diverting up to 100 tons of plastic each year and creating .5 new jobs with this project.



Birdville USA, LLC (Marshfield)

Birdville USA LLC (Marshfield) was awarded \$50,000 to purchase a seed cleaner and a seed grader costing \$89,000 to manufacture bird feed products from food residuals that are currently being landfilled. Birdville USA intends to use screenings from David and Sons snack company that consists of striped sunflower seeds that are too small or too large for their food grade specifications. Birdville will convert the majority of these screenings into bird feed blends and the balance will go into a meal, which can be used in livestock supplements. Birdville USA anticipates that this project will divert more than 275 tons of waste each year and will create two new full time jobs.



Hi-Tech Charities (St. Louis)

Hi-Tech Charities (St. Louis) was awarded \$50,000 to purchase equipment costing \$73,000 to process technology waste materials into reusable computer and electronic products. Hi-Tech Charities is a 501(c)(3) educational and job placement community-based organization. This project will focus on extending access to technology to underserved populations. Besides offering low-priced products to low-income individuals, Hi-Tech Charities will also provide technology-focused internships and workshops. Hi-Tech Charities anticipates diverting 1,000 tons of waste each year and creating four new full time jobs with this project.



Irresistible Community Builders, LLC (St. Louis)

Irresistible Community Builders, LLC (St. Louis) was awarded \$50,000 to purchase equipment costing \$69,825 to manufacture structural concrete insulating panel systems (SCIPS). The SCIPS system uses 100% recycled polystyrene, 50% recycled steel and 40% fly ash concrete in its manufacture and is itself fully recyclable. SCIPS can be used for foundation footings, floors, roofs and interior or exterior walls. SCIPS are easily assembled by semi-skilled or unskilled labor and is cost effective due to tighter construction, better insulation properties and durability when compared to other methods. Irresistible Community Builders anticipates diverting 1,000 tons from the waste stream each year and creating five new full time jobs with this project.



Lamar Feed and Grain, Inc. (Lamar)

Lamar Feed and Grain, Inc. (Lamar) was awarded \$44,253 to purchase equipment costing \$80,136 to reprocess date-expired pet food returned by retailers and convert the waste into a high quality poultry feed. The equipment requested included a scale and base, fork truck, auger and three 5 1/2 h.p. motors. Lamar Feed and Grain has no competition for reprocessing petfood within a 500 mile radius and has purchase agreements for all the chicken feed it will produce. Lamar Feed and Grain anticipates diverting 4,500 tons of waste annually and creating ten new full time jobs with this project.



Young's Innovations (Springfield)

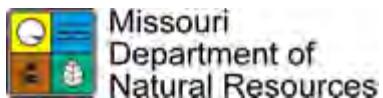
Young's Innovations (Springfield) was awarded \$3,633.34 to purchase a mold costing \$6,400 to start a new business to manufacture an interchangeable sign constructed of recovered polystyrene. The sign, called The Status Indicator is a communication device that enables the user to identify whether the contents of a dishwasher are clean or dirty, an RV antenna is raised or lowered, or in various other applications. Young's Innovations has conducted significant market analysis for the product and proposes a phased project for initial product introduction and full scale production. Young's Innovations anticipates diverting 1.1 tons of waste annually and creating 2-3 full time jobs with this project.



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Revised on Monday December 07 2009